

CLAIMS

1. A nucleic acid having the nucleotide sequence shown in SEQ ID NO: 1 in SEQUENCE LISTING or a nucleic acid having a nucleotide sequence which is the same as the nucleotide sequence shown in SEQ ID NO: 1 in SEQUENCE LISTING except that one or a plurality of nucleotides are substituted, deleted, inserted or added, the latter nucleic acid having a promoter activity in phloem tissue of a plant, or a nucleic acid which is a part of anyone of said nucleic acids, that has a promoter activity in phloem tissue of a plant.
2. The nucleic acid according to claim 1, which hybridizes with the nucleic acid having the nucleotide sequence shown in SEQ ID NO: 1 in SEQUENCE LISTING under stringent conditions.
3. The nucleic acid according to claim 1, of which nucleotide sequence has a homology of not less than 70% with the nucleotide sequence shown in SEQ ID NO: 1 in SEQUENCE LISTING.
4. The nucleic acid according to claim 1, which is the nucleic acid having the nucleotide sequence shown in SEQ ID NO: 1 in SEQUENCE LISTING or a part thereof which has a promoter activity in phloem tissue of a plant.
5. A nucleic acid having the nucleotide sequence shown in SEQ ID NO: 2 in SEQUENCE LISTING or a nucleic acid having a nucleotide sequence which is the same as the nucleotide sequence shown in SEQ ID NO: 2 in SEQUENCE LISTING except that one or a plurality of nucleotides are substituted, deleted, inserted or added, the latter nucleic acid having a promoter activity in phloem tissue of a plant, or a nucleic acid which is a part of anyone of said nucleic acids, that has a promoter activity in phloem tissue of a plant.
6. The nucleic acid according to claim 5, which hybridizes with the nucleic acid having the nucleotide sequence shown in SEQ ID NO: 2 in SEQUENCE LISTING under stringent conditions.
7. The nucleic acid according to claim 5, of which nucleotide sequence has a homology of not less than 70% with the nucleotide sequence shown in SEQ ID NO: 2 in SEQUENCE LISTING.
8. The nucleic acid according to claim 5, which is the nucleic acid having the nucleotide sequence shown in SEQ ID NO: 2 in SEQUENCE LISTING or a part thereof which has a promoter activity in phloem tissue of a plant.

9. A recombinant vector comprising the nucleic acid according to any one of claims 1 to 8.
10. The recombinant vector according to claim 9, further comprising a desired structural gene which is functionally ligated to a site downstream of said nucleic acid and which is controlled by said nucleic acid as a promoter.
- 5 11. A transformed plant transformed with said nucleic acid according to any one of claims 1 to 8 and a desired structural gene which is functionally ligated to a site downstream of said nucleic acid and which is controlled by said nucleic acid as a promoter, which transformed plant expresses said structural gene in its phloem tissue.
12. The transformed plant according to claim 11, which belongs to the family Gramineae.
- 10 13. The transformed plant according to claim 12, which is rice or maize.